

**Chapter 1 Preview**  
Sample and Display Data  
Integrated Math 2

Name \_\_\_\_\_

Date \_\_\_\_\_

**Definitions: Define the following:**

- |                                 |                                |
|---------------------------------|--------------------------------|
| 1. Population                   | 15. Gaps                       |
| 2. Sample                       | 16. Scatter plot               |
| 3. Biased                       | 17. Positive correlation       |
| 4. Unbiased                     | 18. Negative correlation       |
| 5. Mean                         | 19. Line of best fit           |
| 6. Median                       | 20. Trend line                 |
| 7. Mode                         | 21. Coefficient of correlation |
| 8. Measures of central tendency | 22. Quartiles                  |
| 9. Range                        | 23. Interquartile range        |
| 10. Frequency table             | 24. Box-and-whisker plot       |
| 11. Histogram                   | 25. Whiskers                   |
| 12. Stem-and-leaf plot          | 26. Outliers                   |
| 13. Outliers                    | 27. Percentile                 |
| 14. Clusters                    | 28. Misleading data            |

**Objectives: You *should* be able to do the following objectives:**

1. What are the different sampling methods?
2. What is a biased survey?
3. How do you calculate the mean, median, and mode of a set of data?
4. How do you find the range of a set of data?
5. How can you use and create histograms to solve problems?
6. How can you use and create stem-and-leaf plots to solve problems?
7. How do you use scatter plots to solve problems?
8. How do you use a graphing calculator to determine a line of best fit?
9. How do you find the coefficient of correlation?
10. How can you determine the correlation by looking at a scatter plot?
11. What are quartiles and percentiles?
12. How do you create a box-and-whisker plot?
13. How can a graph be misleading?
14. How can the use of the word “average” be misleading?

If you can give a good definition for each term without having to look it up, then you should be ready to identify these terms for application. If you can describe a method as to how to perform each of the objectives, then you should be ready to perform these tasks. If there are any terms or objectives that you are unsure about, then these are the things you want to take extra time studying.

**Check the class wiki for summary assignments and bonus.**